

ABSTRACT OF THE INVENTION

An inflatable curtain is provided that may be mounted on or proximate to a vehicle's side roof rail. The inflatable curtain includes a first panel and a second panel that is attached to the first panel. The first panel and the second panel are generally made of fabric materials such as nylon and the like. At least one first pleat is added to the first panel. The first pleat is constructed such that when the inflatable curtain is inflated with inflation gas, the first pleat opens into at least one first bulge that changes the deployment trajectory of the inflatable curtain. At least one second pleat may additionally be added to the curtain. The second pleat is added to the second panel and is designed such that during inflation, the second pleat will open into a second bulge that further changes the deployment trajectory of the inflatable curtain.

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